WHAT IS CLAIMED IS:

1. An optical position transducer, comprising:

a scale;

a scanning device movable in relation to the scale and including signal-generation devices configured to generate positionally dependent scanning signals, the signal-generation devices including at least one deflector element configured to selectively influence a light beam propagation direction arranged on sides of the scanning device; and

an adjustment device configured and positioned to spatially adjust the deflector element, the adjustment device configured to enable spatial alignment of at least one deflector element independently of other signal-generating devices.

2. The position transducer according to claim 1, wherein the adjustment device includes a movably supported carrier element, and wherein the deflector element includes a mirror and is mounted on the movably supported carrier element.

3. The position transducer according to claim 2, wherein the carrier element is cylindrical, the mirror positioned on a chamfer on at least one longitudinal end of the carrier element.

4. The position transducer according to claim 3, wherein the chamfer includes a stop face at one boundary side adapted to engage the mirror.

5. The position transducer according to claim 3, wherein the carrier element is movably supported in the scanning device about a longitudinal axis of the carrier element.

6. The position transducer according to claim 3, wherein the carrier element is movably supported in the scanning device along a longitudinal axis of the carrier element.

7. The position transducer according to claim 3, wherein the carrier element includes at least one cut-out adapted to engage an adjusting tool.

8. The position transducer according to claim 3, wherein the mirror is adhesively mounted on the chamfer.

9. The position transducer according to claim 3, wherein the mirror is mounted on the chamfer with a reflective side oriented away from the carrier element.

10. The position transducer according to claim 3, wherein the carrier element is hollow and the mirror is oriented with a reflective side in a direction of a cylindrical cavity on the chamfer.

11. The position transducer according to claim 5, further comprising holding elements assigned to the carrier element adapted to fix the movably supported carrier element in a specific position.

12. The position transducer according to claim 6, further comprising holding elements assigned to the carrier element adapted to fix the movably supported carrier element in a specific position.

13. The position transducer according to claim 1, wherein the adjustment device includes a movably supported carrier element, the deflector element integrated in the movably supported carrier element and including a surface of the carrier element.

14. The position transducer according to claim 13, wherein the carrier element is cylindrical and includes a chamfer on at least one longitudinal end arranged as the deflector element.

15. An optical position transducer, comprising:

a scale;

scanning means movable in relation to the scale and including signal-generating means for generating positionally dependent scanning signals, the signal-generating means including at least one deflecting means for selectively influencing a light beam propagation direction arranged on sides of the scanning means; and

adjusting means positioned for spatially adjusting the deflecting means, the adjusting means for enabling spatially aligning at least one deflecting means independently of other signal-generating means.